J - Diet Intake

J.1 Diet Intake Panel

The Diet Intake panel allows the user to view previous responses to diet intake questionnaires and allow the user to record a new diet intake questionnaire response.
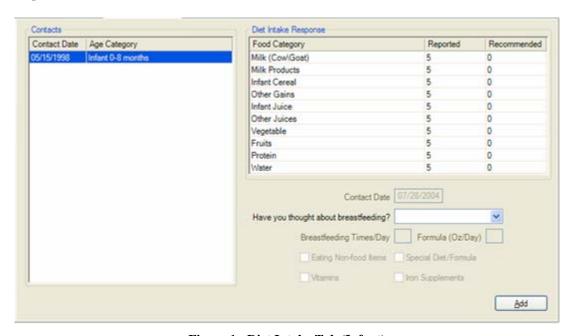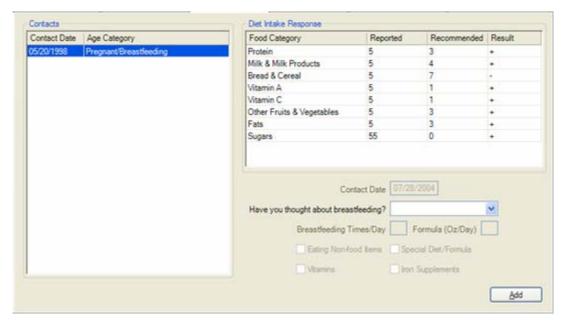

Figure 1 - Diet Intake Tab (Infant)

Figure 2 - Diet Intake Tab (Woman/Child)

J.1.1 Controls

This section describes the behavior of the controls on the Diet Intake panel.

J.1.1.1 Contacts Display Grid

This control allows the user to select the previous diet intake contact to view. The grid will consist of the following columns:

- Contact Date
- Age Category at Time of Contact (Age Category)

The age categories will be filled with information from the DiAgeCategory table:

- Infant 0-8 months
- Infant 9-12 months
- Child 1-3 years
- Child 4-5 years
- Pregnant
- Pregnant under 19
- Breastfeeding
- Breastfeeding under 19
- Non-breastfeeding
- Non-breastfeeding under 19

The grid will be sorted in reverse-chronological order by the contents of the Contact Date column. When a contact date is selected in the grid, the information in the Diet Intake Response Grid and all entry fields listed below the grid will be refreshed with the previously saved information for the selected contact date. The data in the grid is read-only.

J.1.1.2 Diet Intake Response Grid

This control allows the user to view diet intake responses from the participant, the recommended amounts, and the analysis result for the response. The grid will be enabled when the Diet Intake tab is active. The values for Food Category and Recommended will be filled with information from the DiRecommendation and DiFoodCategory tables. It will consist of the following columns:

- Food Category
- Reported
- Recommended
- Result (does not display for infants)

The contents of the rows of the grid will vary depending on the age category of the participant at the time of the diet intake contact according to the table below (DiAgeCategory and DiFoodCategory tables):

Age Category	Food Categories
Infant	Milk (Cow\Goat)
	Milk Products
	Infant Cereal
	Other Grains
	Infant Juice
	Other Juices
	Vegetable
	Fruits
	Protein
	Water
Child	Protein
Pregnant	Milk & Milk Products
Pregnant under 19	Bread & Cereal
Breastfeeding	Vitamin A
Breastfeeding under 19	Vitamin C
Non-breastfeeding	Other Fruits & Vegetables
Non-breastfeeding under 19	Fats
	Sugars

The recommended amounts for the food categories listed for infants are listed in the table below per month of age (DiRecommendation table):

Food Category	0 mo.	1 mo.	2 mo.	3 mo.	4 mo.	5-6 mo.	7-8 mo.	9-12 mo.
Milk (Cow\Goat)	0	0	0	0	0	0	0	0
Milk Products	0	0	0	0	0	0	1	1
Infant Cereal	0	0	0	0	2	2	2	2-3
Other Grains	0	0	0	0	0	0	1	2-3
Infant Juice	0	0	0	0	1	1	2	2
Other Juices	0	0	0	0	0	0	0	0
Fruits	0	0	0	0	0	0	2	2
Vegetables	0	0	0	0	0	0	2	2
Proteins	0	0	0	0	0	0	2	2
Water	0	0	0	0	0	0	2	2

The recommended amounts for the food categories listed for all other age categories are listed in the table below (DiRecommendation table):

Food Category	Pregnant / Breastfeeding	Pregnant / Breastfeeding under 19	Non-breastfeeding	Non-breastfeeding under 19	Child
Protein	3	3	2	2	2
Milk, Milk Products	4	4	3	4	4
Breads & Cereals	7	7	6	7	6
Vitamin A Source	1	1	1	1	1
Vitamin C Source	1	1	1	1	1
Other Fruits & Vegetables	3	3	3	3	3
Fats	3	3	3	3	3
Sugar	0	0	0	0	0

The Reported column will be filled with the information for the diet intake contact selected in the Contacts display grid. The values for a participant in the Infant age category come from the UNITS attributes of the DIET-INTAKE–RESPONSE entity.

Food Category	Attribute Name
Milk	Milk-Units
Milk Products	Milk-Products-Units
Infant Cereal	Infant-Cereal-Units
Other Grains	Other-Grains-Units
Infant Juice	Infant-Juice-Units
Other Juices	Other-Juices-Units
Fruits	Fruits-Units
Vegetables	Vegetables-Units
Proteins	Proteins-Units
Water	Water-Units

The values for a participant in any other age category come from the attributes of the DIET-INTAKE–RESPONSE entity.

Food Category	Attribute Name
Milk, Milk Products	Milk-Units
Breads & Cereals	Grains-Units
Protein	Proteins-Units
Vitamin A Source	Vitamin-A-Units
Vitamin C Source	Vitamin-C-Units
Other Fruits & Vegetables	Other-F-V-Units
Fats	Fats-Units
Sugar	Sugars-Units

The Results column will display a + (plus) symbol if the reported intake is above what is recommend, a - (minus) symbol if the reported intake is below what is recommended, or the text of "OK" if the intake is within the recommended amount. The Results column will not display for Infant age category contacts. The data values displayed on the grid are read-only.

J.1.1.3 Contact Date Masked Edit Box

This control allows the user to view the date the diet intake information was obtained. The masked edit box will be disabled when the Diet Intake tab is active. It will contain the date on which the diet intake contact was made.

J.1.1.4 Have you thought about breastfeeding? Dropdown

This control allows the user to view the feeding method that the pregnant woman planned to use when the infant was born. The Dropdown will be disabled when the Diet Intake tab is active. If the WIC Category of the participant was Pregnant at the time of reported contact specified in the Contact Date masked edit box, it will be filled with the reference dictionary lookup value for the Planned-Feeding-Method attribute of the DIET-INTAKE-CONTACT entity for the diet intake contact selected in the Contacts display grid.

J.1.1.5 Breastfeeding Times per Day Masked Edit Box (Breastfeeding Times/Day)

This control allows the user to view the number of times per day that the infant was reported to breastfeed. The masked edit box will be disabled when the Diet Intake tab is active. If the WIC Category of the participant was Infant at the time of reported contact specified in the Contact Date masked edit box, it will be filled with the value of the BF-Times-Per-Day attribute of the DIET-INTAKE-CONTACT entity for the diet intake contact selected in the Contacts display grid.

J.1.1.6 Formula Ounces per Day Masked Edit Box (Formula (Oz/Day))

This control allows the user to view the amount of formula the infant was reported to consume per day. The masked edit box will be disabled when the Diet Intake tab is active. If the WIC Category of the participant was Infant at the time of reported contact specified in the Contact Date masked edit box, it will be filled with the value of the Diet-Intake-Formula-Oz-Per-Day attribute of the DIET-INTAKE-CONTACT entity for the diet intake contact selected in the Contacts display grid.

J.1.1.7 Eating Non-food Items Check Box

This control allows the user to view whether the participant reported eating non-food items (PICA) at the time of the diet intake contact. The check box will be disabled when the Diet Intake tab is active. It will be filled with the value of the Eating-Non-Food-Items attribute of the DIET-INTAKE-CONTACT entity for the diet intake contact selected in the Contacts display grid.

J.1.1.8 Vitamins Check Box

This control allows the user to view whether the participant reported taking vitamins at the time of the diet intake contact. The check box will be disabled when the Diet Intake tab is active. It will be filled with the value of the Vitamins attribute of the DIET-INTAKE-CONTACT entity for the diet intake contact selected in the Contacts display grid.

J.1.1.9 Special Diet/Formula Check Box

This control allows the user to view whether the participant was on a special diet or taking special formula at the time of the diet intake contact. The check box will be disabled when the Diet Intake tab is active. It will be filled with the value of the Special-Diet-Formula-Flag attribute of the DIET-INTAKE-CONACT entity for the diet intake contact selected in the Contacts display grid.

J.1.1.10 Iron Supplements Check Box

This control allows the user to view whether the participant reported taking iron supplements at the time of the diet intake contact. The check box will be disabled when the Diet Intake tab is active. It will be filled with the value of the Iron-Supplements attribute of the DIET-INTAKE-CONTACT entity for the diet intake contact selected in the Contacts display grid.

J.1.1.11 Refer to Breastfeeding Counselor Check Box

This control allows the user to view whether the participant was referred to a breastfeeding counselor. The check box will be disabled when the Diet Intake tab is active. It will be filled with the value of the ReferBFCounselor attribute of the DIET-INTAKE-CONTACT entity for the diet intake contact selected in the Contacts display grid. The checkbox and text display when the state business rule DspReferToBFPeerCounselor is "Y".

J.1.1.12 Add Button

This control allows the user to add a diet intake contact for the participant. The Add button will be enabled when the Diet Intake tab is active and a diet intake record for the participant does not exist with a contact date equal to the current system date. In the CAS and State Office mode, the Add button will not be visible. It will have a mnemonic of "A" and will be the default button for the dialog.

J.1.2 Processes

J.1.2.1 Initializing the Interface

The Contacts Display grid displays previously saved Diet Intake Contact Dates and Age Categories is reverse chronological order.

The contents of the rows of the grid will vary depending on the age category of the participant at the time of the diet intake contact. See the Diet Intake Response Grid characteristics defined above.

J.1.2.2 Displaying the Data

It displays the date as defined on the Data Map below.

J.1.2.3 Edits

There are no updateable controls on the Diet Intake tab; therefore, there are no edits performed on this panel.

J.1.2.4 Saving the Data

There are no updateable controls on the Diet Intake tab; therefore, no data is written to the database.

J.1.2.5 Add Diet Intake Information

Upon selection of the Add button, the system will invoke the Add Diet Intake Information Dialog.

J.2 Add/Edit Diet Intake Information

The Diet Intake Information Dialog allows the user to enter or update the results of a diet intake questionnaire for the participant. It is invoked upon the following user actions:

- Selection of the Add button on the Diet Intake panel on the Participant Folder.
- Selection of the Add button on the Diet Intake dialog during the Certification Guided Script.
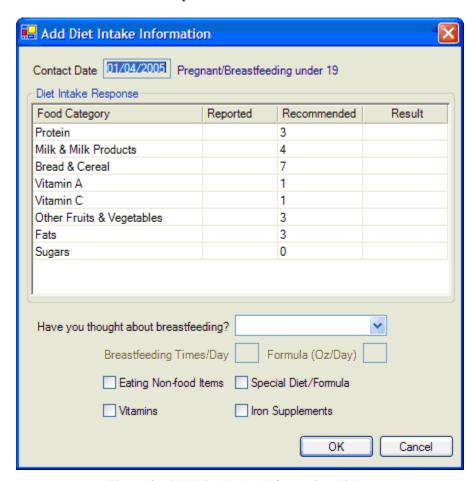- Selection of the Edit button on the Diet Intake dialog during the Certification Guided Script.

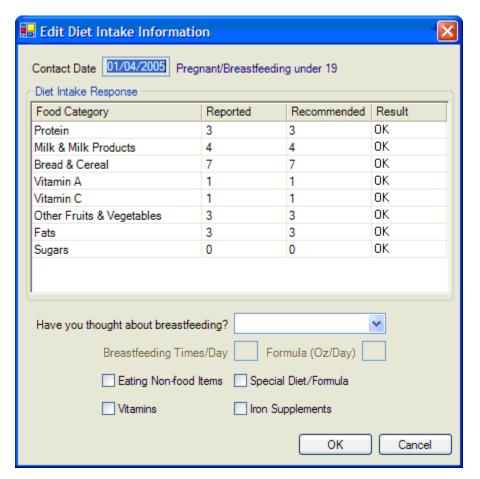**Figure 3 - Add Diet Intake Information Dialog**

Figure 4 – Edit Diet Intake Information

J.2.1 Controls

This section describes the behavior of the controls on the Add/Edit Diet Intake Information Dialog.

J.2.1.1 Contact Date Masked Edit Box

This control allows the user to enter the date on which the diet intake contact was made. The control will be **enabled** when the participant is in a valid certification period (Member.ValidCertification = 'Y'). The control will be **disabled** when the participant is not in a valid certification (Member.ValidCertification = NULL or 'N'). The masked edit box will only accept entry of numeric characters. The mask on the box will be "##/##/####" to accept a date with a four digit year.

Upon removing focus from the Contact Date masked edit box by tabbing to or clicking onto another field or control:

- If the value of the Contact Date masked edit box is greater than the current system date, the system will invoke a standard error message with the text "Contact Date must be less than or equal to system date."

- If the value of the Contact Date masked edit box is less than the most recent diet intake result entered into the system for the participant, the system will invoke a standard error message with the text "The contact date may not precede any previous contact dates."
- If the value of the Contact Date masked edit box is one year (365 days) previous to the current system date, the system will invoke a standard error message with the text, "Date entered cannot be more than 365 days in the past."
- If the participant has a WIC Category of Pregnant, Breastfeeding or Non-breastfeeding and the value of the Contact Date masked edit box is before the beginning of the current certification, the system will invoke a standard error message with the text "The contact date may not precede the date of birth."
- If the participant has a WIC Category of Infant and the value of the Contact Date masked edit box is more than 30 days before the beginning of the current certification, the system will invoke a standard error message with the text "The contact date may not precede the certification date."
- If the participant has a WIC Category of Infant and the value of the Contact Date masked edit box is before the birth date of the Infant, the system will invoke a standard error message with the text "The contact date may not precede the date of birth."

J.2.1.2 Age Category Text and Value Label

This control allows the user to view the textual description of the age category of the participant at the time the diet intake contact was made. The age categories will be filled with information from the DiAgeCategory table:

- Infant 0-8 months
- Infant 9-12 months
- Child 1-3 years
- Child 4-5 years
- Pregnant
- Pregnant under 19
- Breastfeeding
- Breastfeeding under 19
- Non-breastfeeding
- Non-breastfeeding under 19

The age category displays the WIC Category and age of the participant. The value label will display in the inverse color of the form.

J.2.1.3 Diet Intake Response Grid

This control allows the user to add diet intake responses from the participant and view recommended amounts and the analysis result for the response. The grid will be enabled when the Add/Edit Diet Intake Information Dialog is active. The values for Food Category and Recommended will be filled with information from the DiRecommendation and DiFoodCategory tables. It will consist of the following columns:

- Food Category
- Reported
- Recommended
- Result (does not display for infants)

The user can enter the diet intake responses from the participant into the Reported column. The column will only accept entry of numeric digits. The mask on the column will be "##". The values of the other column are read-only.

The value of the Response column in all rows of the Diet Intake Response grid must be a positive whole number in the range of 1-99 inclusive or the value of 0.

The contents of the rows of the grid will vary depending on the age category of the participant at the time of the diet intake contact according to the table below (DiAgeCategory and DiFoodCategory tables):

Age Category	Food Categories
Infant	Milk (Cow\Goat)
	Milk Products
	Infant Cereal
	Other Grains
	Infant Juice
	Other Juices
	Vegetable
	Fruits
	Protein
	Water
Child	Protein
Pregnant	Milk & Milk Products
Breastfeeding	Bread & Cereal
Pregnant under 19	Vitamin A
Breastfeeding under 19	Vitamin C
Non-breastfeeding	Other Fruits & Vegetables
Non-breastfeeding under 19	Fats
	Sugars

The recommended amounts for the food categories listed for infants are listed in the table below per month of age (DiRecommendation table):

Food Category	0 mo.	1 mo.	2 mo.	3 mo.	4 mo.	5-6 mo.	7-8 mo.	9-12 mo.
Milk (Cow\Goat)	0	0	0	0	0	0	0	0
Milk Products	0	0	0	0	0	0	1	1
Infant Cereal	0	0	0	0	2	2	2	2-3
Other Grains	0	0	0	0	0	0	1	2-3
Infant Juice	0	0	0	0	1	1	2	2
Other Juices	0	0	0	0	0	0	0	0
Fruits	0	0	0	0	0	0	2	2
Vegetables	0	0	0	0	0	0	2	2
Proteins	0	0	0	0	0	0	2	2
Water	0	0	0	0	0	0	2	2

The recommended amounts for the food categories listed for all other age categories are listed in the table below (DiRecommendation table):

Food Category	Pregnant / Breastfeeding	Pregnant / Breastfeeding under 19	Non-breastfeeding	Non-breastfeeding under 19	Child
Protein	3	3	2	2	2
Milk, Milk Products	4	4	3	4	4
Breads & Cereals	7	7	6	7	6
Vitamin A Source	1	1	1	1	1
Vitamin C Source	1	1	1	1	1
Other Fruits & Vegetables	3	3	3	3	3
Fats	3	3	3	3	3
Sugar	0	0	0	0	0

The Results column will display a + (plus) symbol if the reported intake is above what is recommend, a - (minus) symbol if the reported intake is below what is recommended, or the text of "OK" if the intake is within the recommended amount. The results column will not display for Infant age category contacts. The Results column will be updated immediately upon exit from the corresponding Reported column.

J.2.1.4 Have you thought about breastfeeding? Dropdown

This control allows the user to select the feeding method that the pregnant woman plans to use when the infant is born. The Dropdown will be enabled when the WIC Category of the participant is Pregnant at the time of reported contact specified in the Contact Date masked edit box. It will be filled with a list of planned feeding methods from the reference dictionary table of the lookup database.

J.2.1.5 Breastfeeding Times per Day Masked Edit Box (Breastfeeding Times/Day)

This control allows the user to enter the number of times per day that the infant was reported to breastfeed. The masked edit box will be enabled when the WIC Category of the participant is Infant at the time of reported contact specified in the Contact Date masked edit box. The masked edit box will only accept entry of numeric digits. The mask on the box will be "*##*".

For an Infant, the value of the Breastfeeding Times per Day masked edit box must be a positive whole number in the range of 1-99 inclusive or the value of 0.

J.2.1.6 Formula Ounces per Day Masked Edit Box (Formula (Oz/Day))

This control allows the user to enter the amount of formula the infant was reported to consume per day. The masked edit box will be enabled when the WIC Category of the participant is Infant at the time of reported contact specified in the Contact Date masked edit box. The masked edit box will only accept entry of numeric digits. The mask on the box will be "*##*".

For an Infant, the value of the Formula Ounces Times per Day masked edit box must be a positive whole number in the range of 1-99 inclusive or the value of 0.

J.2.1.7 Eating Non-food Items Check Box

This control allows the user to indicate that the participant reported eating non-food items (PICA) at the time of the diet intake contact. The check box will be enabled when the Add/Edit Diet Intake Information Dialog is active. It will default to clear.

J.2.1.8 Vitamins Check Box

This control allows the user to indicate that the participant reported taking vitamins at the time of the diet intake contact. The check box will be enabled when the Add/Edit Diet Intake Information Dialog is active. It will default to clear.

J.2.1.9 Iron Supplements Check Box

This control allows the user to indicate that the participant reported taking iron supplements at the time of the diet intake contact. The check box will be enabled when the Add/Edit Diet Intake Information Dialog is active. It will default to clear.

J.2.1.10 Special Diet/Formula Check Box

This control allows the user to indicate that the participant was on a special diet or taking special formula at the time of the diet intake contact. The check box will be enabled when the Add/Edit Diet Intake Information Dialog is active. It will default to clear.

J.2.1.11 Refer to Breastfeeding Counselor Check Box

This control allows the user to indicate that the participant was referred to a breastfeeding counselor at the time of the diet intake contact. The check box will be enabled when the Add/Edit Diet Intake Information Dialog is active. It will default to clear. The checkbox and text display when the state business rule DspReferToBFPeerCounselor is "Y".

J.2.1.12 OK Button

This control allows the user to instruct the system to edit the values of the controls, save the changes, and exit the Add/Edit Diet Intake Information Dialog. The OK button will be enabled when the Add/Edit Diet Intake Information Dialog is active. Characteristics for the OK button are defined in *Consistencies*.

J.2.1.13 Cancel Button

This control allows the user to discard any changes made to the diet intake information and exit the Add/Edit Diet Intake Information Dialog. The Cancel button will be enabled when the Add/Edit Diet Intake Information Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

J.2.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Add/Edit Diet Intake Information Dialog.

J.2.2.1 Initializing the Interface

J.2.2.1.1 In Add Mode:

The title bar text will be set to "Add Diet Intake Information"

The Contact Date masked edit box will default to the current system date.

The Age Category will display the WIC Category and age of the participant.

The following will be initially blank:

- Response column of the Diet Intake Response Grid
- The Have you thought about breastfeeding? dropdown
- The Breastfeeding Times per Day masked edit box
- Formula Ounces Per Day masked edit box
- Easting Non-food Items check box
- Vitamins check box
- Iron Supplements check box
- Special Diet/Formula check box

The following will be initially blank:

The Refer to Breastfeeding Counselor text and check box will display when the state business rule DspReferToBFPeerCounselor is "Y". The checkbox will initially be blank.

J.2.2.1.2 In Edit Mode:

The title bar text will be set to "Edit Diet Intake Information"

All information will be displayed for the selected Contact Date as defined in the Data Map for this section.

The Contact Date will be disabled.

J.2.2.2 Edits

Upon selection of the OK button, if an entry is not made in the following controls:

- Contact Date masked edit box
- All rows of the Response column of the Diet Intake Response grid

The system will invoke a standard error message with the text "An entry is required for the {control label}".

If the participant is an Infant, if an entry is not made in the following:

- Breastfeeding Times Per Day masked edit box
- Formula Ounces Per Day masked edit box

the system will invoke a standard error message with the text, "An entry is required for the {control label}."

J.2.2.3 Saving the Data

Upon successful completion of the edits, the system will save the values to the database as defined by the Data Map below.

The system will return focus to the Diet Intake sub-tab.

The Diet Intake Response display grid will be refreshed to display the added or updated record.

J.2.2.4 Assign Risk Factors

After the values are saved, if the *AssignRisksOutsideCert* business rule is active the system will invoke the Assign Risk Factors (Process) described in *Chapter 09 - Participant Folder*.

J.2.2.5 Data Map

Control Label	Entity	Attribute	Business Rule
Contact Date	DietIntakeContact	ContactDate	
Have you thought about breastfeeding?	DietIntakeContact	PlannedFeedingMethod	
Breastfeeding Times/day	DietIntakeContact	BFTimesPerDay	
Formula (Oz/Day)	DietIntakeContact	FormulaOzsPerDay	
Eating Non-food Items	DietIntakeContact	EatingNonfoodItems (Y/N)	
Iron Supplements	DietIntakeContact	IronSupplements (Y/N)	
Vitamins	DietIntakeContact	Vitamins (Y/N)	
Special Diet/Formula	DietIntakeContact	SpecialDiet (Y/N)	
Refer to Breastfeeding Counselor	DietIntakeContact	REFERBFCOUNSELOR (Y/N)	DspRefer ToBFPeer Counselor
Reported column of list box (MilkUnits, MilkProductsUnits, InfantCerealUnits, OtherGrainsU	DietIntakeRsponse	Units	

Control Label	Entity	Attribute	Business Rule
nits, InfantJuiceUnits, OtherJuiceUnits, FruitsUnits, VegetablesUnits, ProteinsUnits, WaterUnits, GrainsUnits, VitaminAUnits, VitaminCUnits, OtherVUnits, FatsUnits, SugarsUnits)			